

muonic atom **1983Gu02**

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	F. G. Kondev	NDS 192,1 (2023)	1-Aug-2023

1983Gu02: 95.7% ²⁰⁰Hg, muonic x-ray and gamma-ray spectra measured using Ge(Li) detector; nuclear charge distribution studied.
Other: **1974Li13**.

²⁰⁰Hg Levels

E(level) [†]	J ^π [‡]	T _{1/2}	Comments
0.0	0 ⁺	stable	
367.942 10	2 ⁺		E(level): Isomer shift=−390 eV 50.
5661.6 4	(1 [−])		E(level),J ^π : From 1983Gu02 . B(E1) ≈ 0.0315 e ² fm ² in 1983Gu02 .

[†] From E_γ, unless otherwise stated.
[‡] From Adopted Levels, unless otherwise stated.

γ(²⁰⁰Hg)

E _γ	I _γ [†]	E _i (level)	J _i ^π	E _f	J _f ^π	Comments
367.942 10	4.6 5	367.942	2 ⁺	0.0	0 ⁺	E _γ : From adopted gammas. I _γ : Other: 12% 4 in 1974Li13 .

[†] I_γ per 100 muon captures from **1983Gu02**.

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Level Scheme

Intensities: Type not specified

